

Amendments to the Specification:

Please replace the paragraph beginning on page 4, line 19, with the following rewritten paragraph:

--The present invention is directed to overcoming one or more of the problems set forth above. Briefly summarized, according to one aspect of the present invention, the invention resides in an image sensor comprising a plurality of pixels in which at least two or more pixels have a charge control structure used to change charge capacity during the integration time; wherein at substantially a beginning of an integration exposure time the charge capacity is altered to substantially zero by either the charge control structure or a read-out mechanism and the charge capacity is changed by the charge control structure throughout the integration exposure time such that substantially no portion of the pixel photo response curve is linear; and means for multiplying each pixel by a constant value determined for that pixel to compensate for variations of the charge capacity such that all pixel photo response curves are substantially equal.--

Please replace the Abstract with the following rewritten paragraph:

--An image sensor comprising a plurality of pixels in which at least two or more pixels have a charge control structure used to change charge capacity during the integration time; wherein at substantially a beginning of an exposure time the charge capacity is altered to substantially zero by either the charge control structure or a read-out mechanism and the charge capacity is changed by the charge control structure throughout the exposure time such that substantially no portion of the pixel photo response curve is substantially linear, and means for multiplying each pixel by a constant value determined for that pixel to compensate for variations of the charge capacity such that all pixel photo response curves are substantially equal.--